

ROUGH TERRAIN CRANE

GR-150XL-3



Off road industrial



Max. lifting capacity : 15ton (13.6 Metric Ton)
Max. lifting height (Boom) : 80.4' (24.5m)

New functions and features



Lifting your dreams

Crane

- Improvement of hoisting performance
- Hydraulic offset jib
- Shortened tail swing

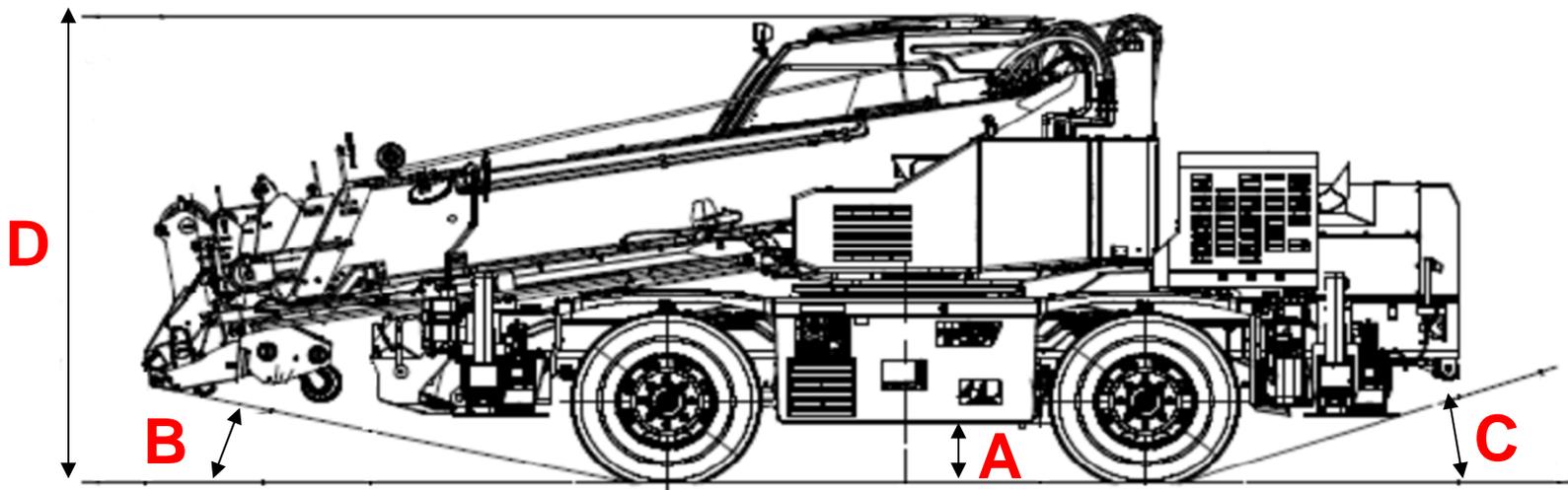
Career & Others

- AML-E
- New designed Cabin
- Hino Engine
- Positive Control System
- Rear view camera



Dimensions

	GR-150XL-2 (Previous model)	GR-150XL-3 (New model)
A Ground clearance	1'-3/8"[12.4"] (315mm)	1'2-9/16"(370mm)
B Approach angle	18.5 deg.	12.3 deg.
C Departure angle	18.0 deg.	18.3 deg.
D Overall height	9' 5-13/16"(2,890mm)	9' 6-7/16"(2,900mm)
Traveling speed	25mph(41km/h)	25mph(41km/h)



➤ *High performance engine*



Model: HINO J05EVA-TDFC [Tier4]

Combustion: 4 cycle, turbo charged and after cooled

Max. output: 172hp / 2,500min⁻¹

Max. Torque: 395ft-lb / 1,600min⁻¹

Max. traveling speed: 25mph (41km/h)

➤ *Single line operation is highly improved*

GR-150XL-2

Max. single line pull=4,000lb



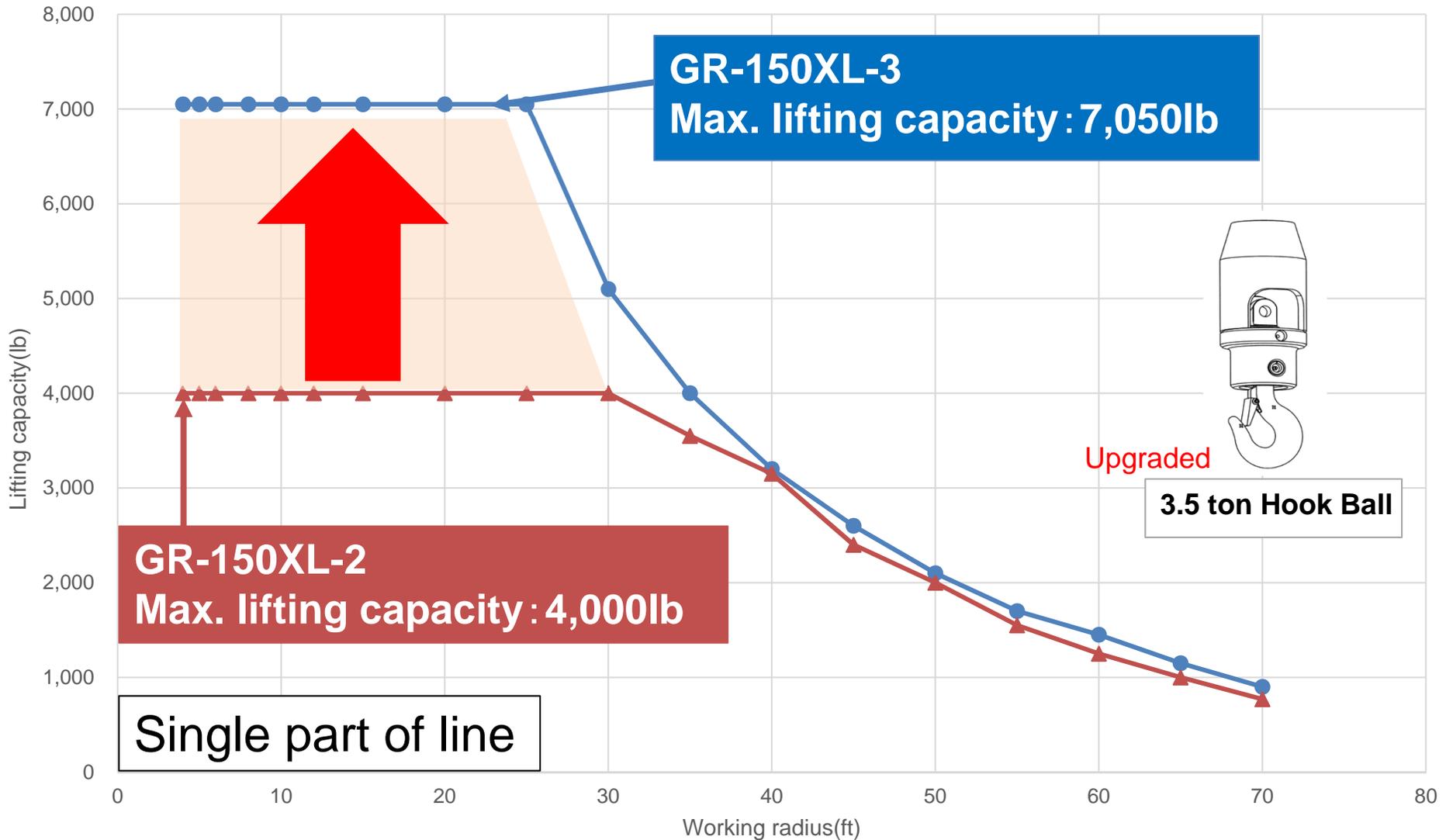
GR-150XL-3

Max. single line pull=7,050lb

Thanks to improved hoisting performance, the lifting capacity of single line is much better than the previous model.

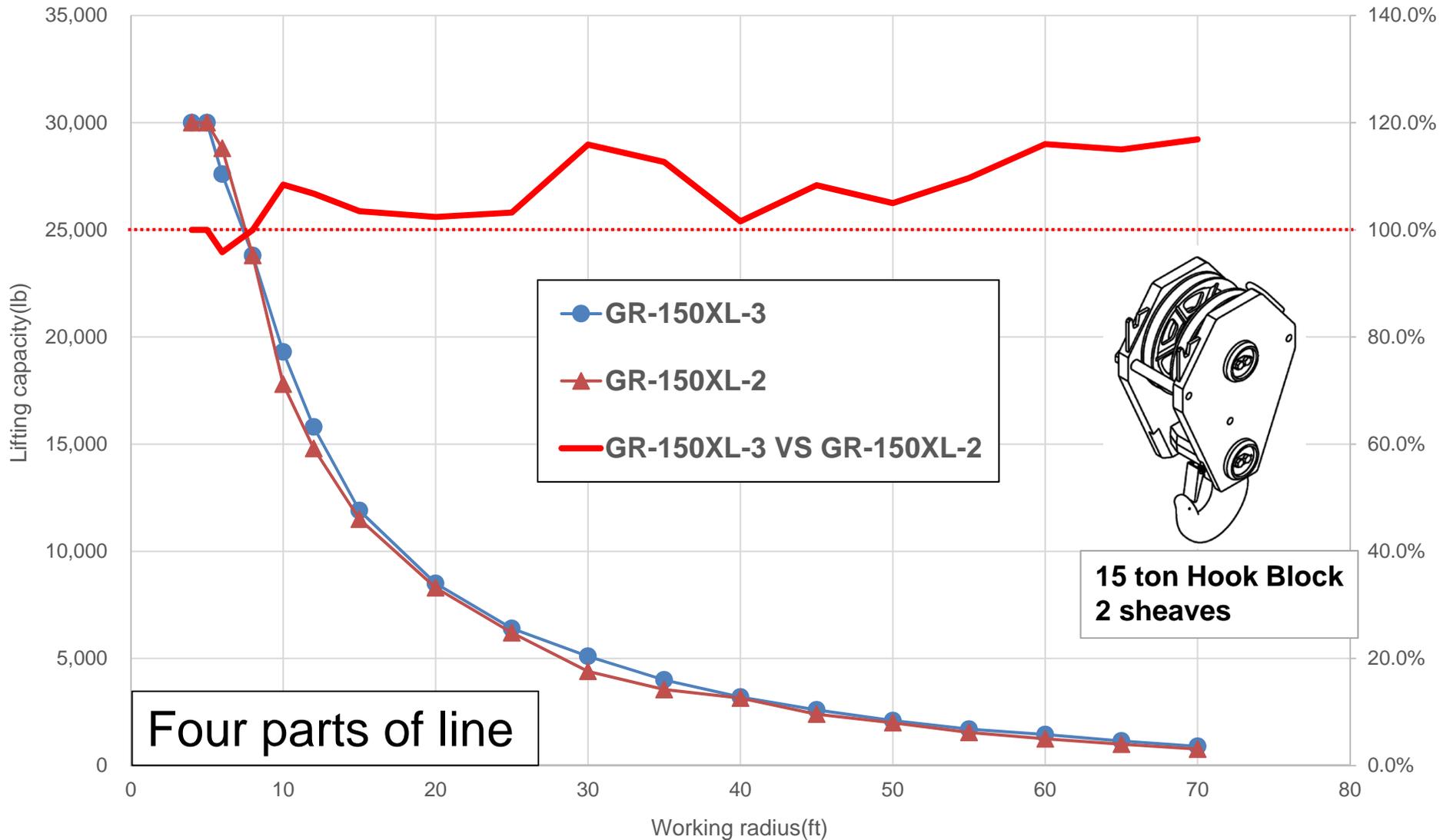
Improvement of hoisting performance

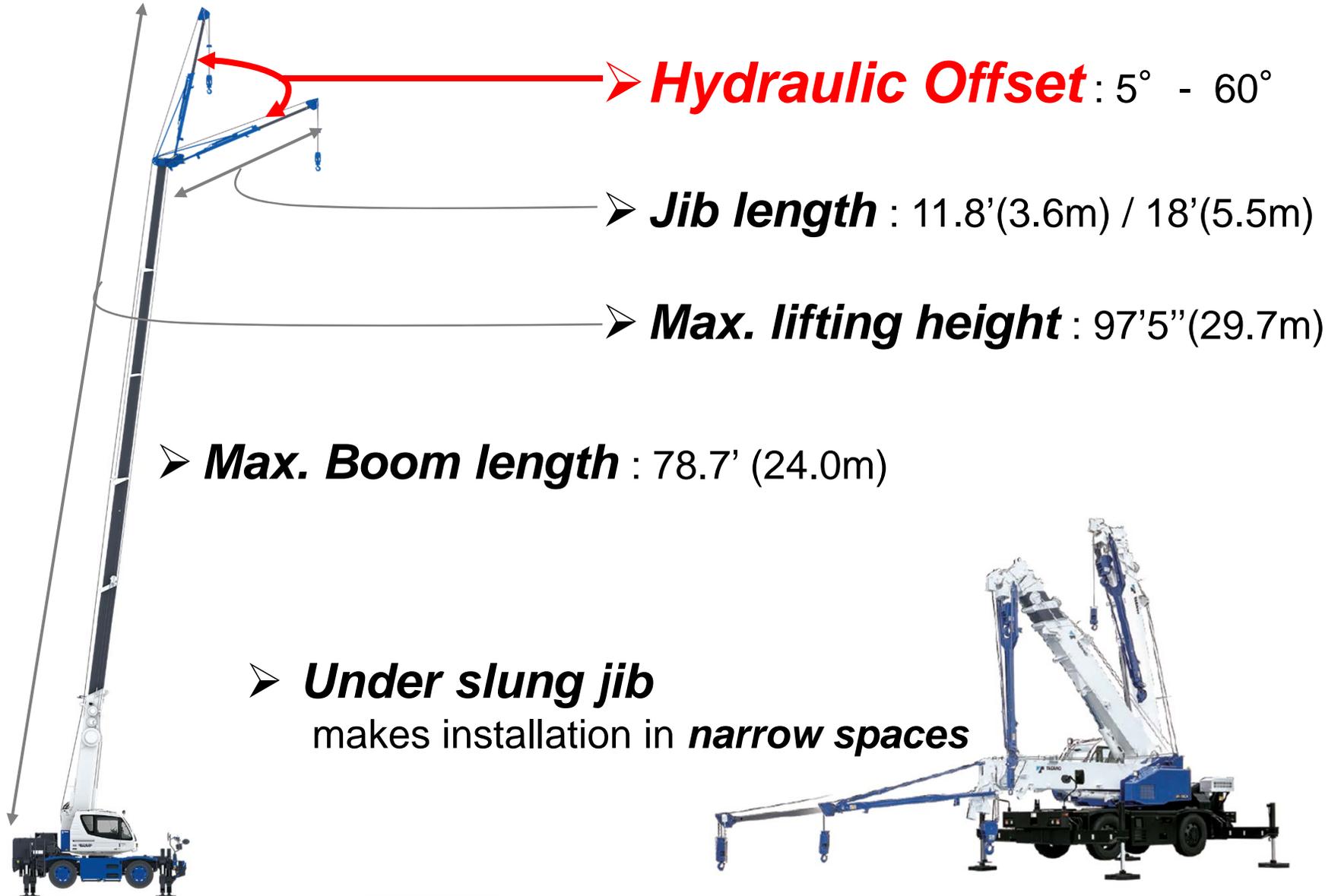
GR-150XL-3 VS GR-150XL-2



Improvement of hoisting performance

GR-150XL-3 VS GR-150XL-2





Shortened tail swing

- *Its compactness of tail swing realizes the work in a limited space*



GR-150XL-2

Tail swing = 5'3" (1,600mm)

GR-150XL-3

Tail swing = 4'11" (1,500mm)



Reeving the wire ropes

➤ *Exchange out the hook blocks*

-Be reeving the wire ropes with the hook block stowed



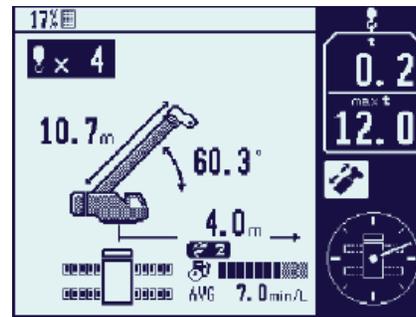
New Cabin

- Realizes **high comfort** and enhances **visibility**



Realizes **better visibility** by changing angle and height of the instrumental panel against aspect of the glass.

➤ New generation AML



AML-C



AML-E

Specification

	GR-150XL-2	GR-150XL-3
Indicator	AML-C	AML-E
LCD size	5.7inch	10.4inch
Display	Black-and-white	Color
Operation	Switch	Touch screen and Operation switch

➤ *Benefits of new operation lever*

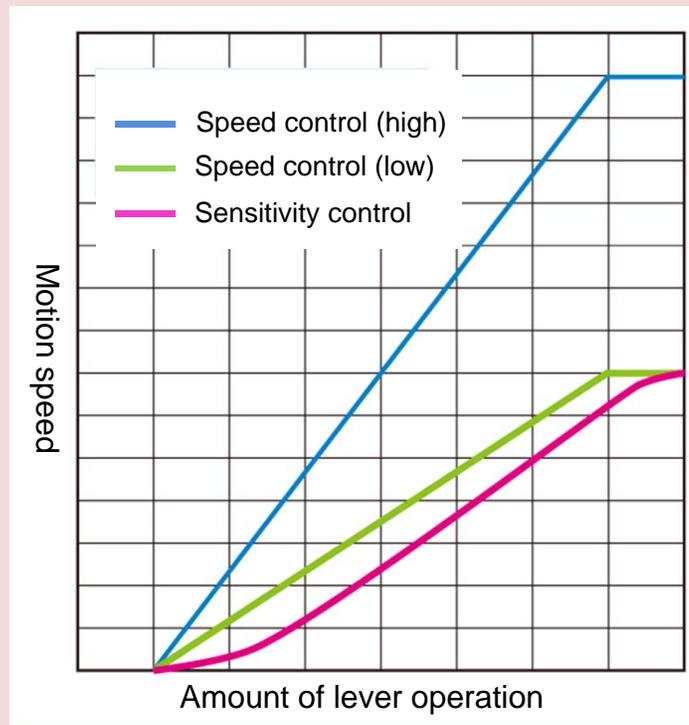
- Possible to **fine-tune speed and sensitivity** of operation
(Detailed explanation is on next page)
- The **adjustable** height of lever
- Improved sensitivity under cold weather by adopting **electric control**
- Improved simultaneous operation
by adopting **shorter lever**



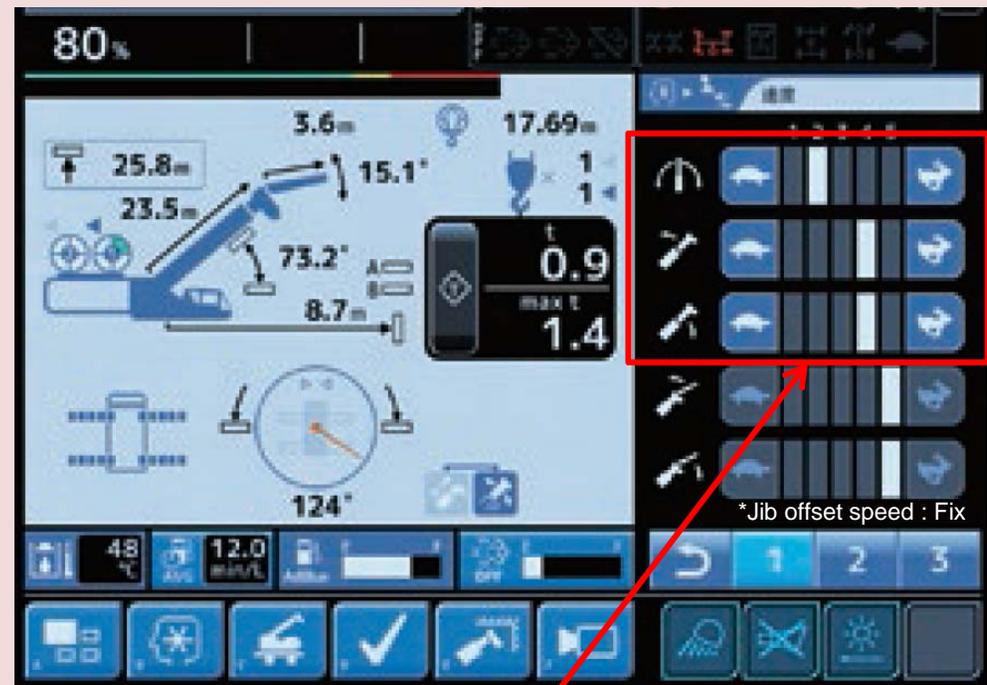
Operation lever usability

➤ **Comfortable and Effective** operation can be realized

- Speed control : Slewing, Boom elevating
- Sensitivity control : Slewing



※ This chart is made for the usability of lever to be understandable about the function clearly and actual figures are different



The speed of each motion can be changed finely

New safety functions

New

➤ Rear view camera



➤ Left-front camera



New

➤ AML External Warning Lamps (Three Color)



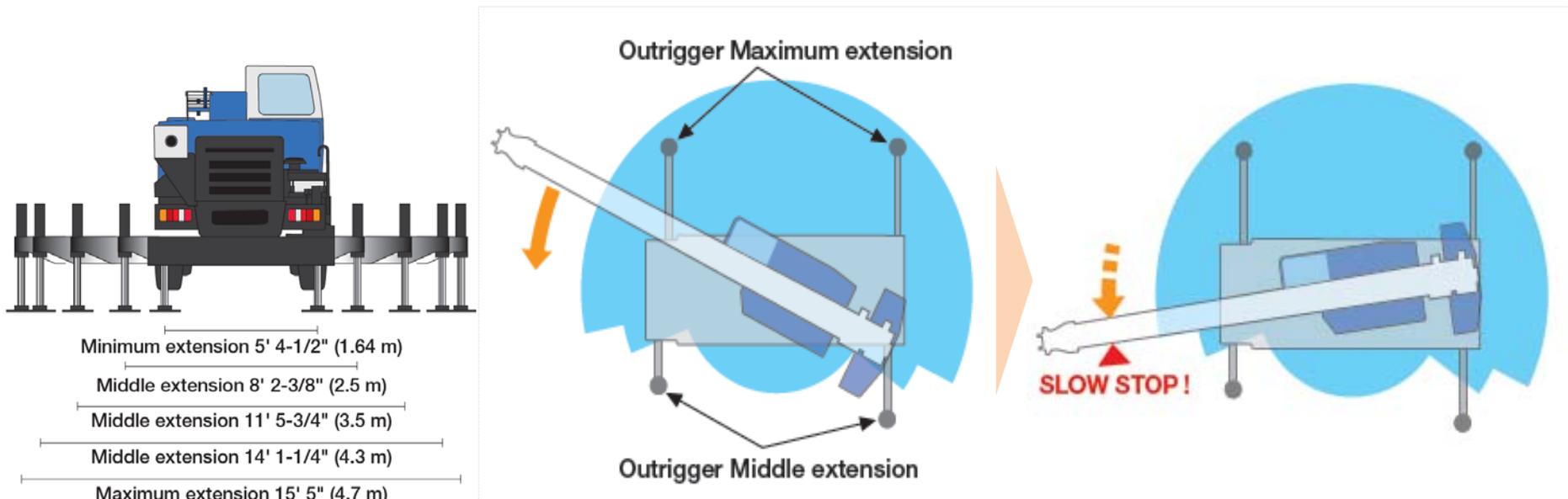
New

➤ LED headlight



Asymmetrical Outrigger

- **Outrigger Asymmetric Extension Width Control**
-optimizes lifting capacity in each area



When operating with **asymmetrical outriggers** extended, AML detects the extension width of all of the outriggers to measure maximum lifting capacity in each area. When slewing the boom from the longer outrigger area to shorter outrigger area, AML brings the motion to a slow stop before it reaches the max. lifting capacity. This **slow stop function** helps minimize any safety risks even in the case of operator's error.

Environmentally friendly



Lifting your dreams

➤ Minimize environmental impact and contributes to efficient operation



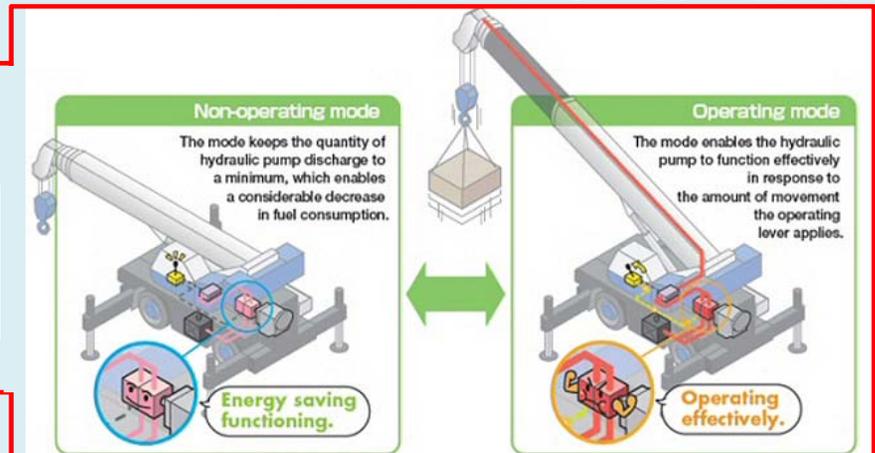
Eco mode system

Controls the maximum engine speed at the time of crane operation and enables fuel consumption, CO₂ emission and noise level to decrease.



Eco mode switch

New function for GR-150XL series



Positive Control system

Effectively controls the quantity of hydraulic pump discharge during crane operation in response to the amount of movement applied, and reduces CO₂ consumption.



Fuel Monitoring system

Checking fuel consumption enables operator to prevent wasteful fuel consumption from unnecessary acceleration and idling.



During crane operation At traveling



Hello-Net (Telematics system)



Lifting your dreams

HELLO-NET is a communication tool that connects cranes with their owners, service staff and the manufacturer.

Machine data is collected via satellite and stored in an internet data center (HELLO-NET Owner's Site).

Features

Work History

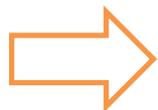
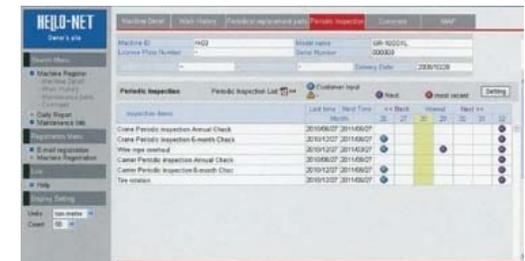
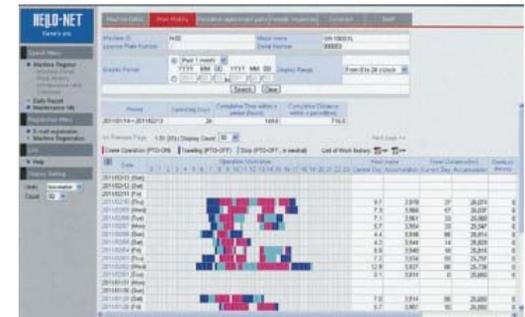
Display day-to-day operational status, mileage, operating hours, etc.

Maintenance Information

Maintain periodic inspection schedule and parts replacement.

Machine Location Data

Check the latest machine location including the day before on a map.



Telematics data is provided to customer via the HELLO-NET Owner's Site.

